

**Clean Version of Amended Claims Pursuant to 37 C.F.R. 1.121**

1. (Amended) A method of correlating information related to an object or person

*Sub.Cl* moving within a predetermined area, comprising the steps of:

a. obtaining information relating to said object in said predetermined area

b. determining at least one position of said object or person

within said predetermined area using ultra wideband impulse radio means; and

c. correlating information about said object to said at least

one position of said object or person

2. The method of correlating information related to an object or person moving within a predetermined area of claim 1, further comprising the step of reporting said correlated information according to desired parameters.

3. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said step of obtaining information relating to said object in said predetermined area comprises manual input of personal information into a computer in response to questions from an attendant at an entrance to said predetermined area.

4. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said step of obtaining information relating to said object in said predetermined area comprises requiring said person to input said personal information over the Internet.

5. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said step of obtaining information relating to said object in said predetermined area comprises requiring said person whose personal information is being obtained to enter their own information via a manual means.

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6. (Amended) The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said step of correlating comprises associating an impulse radio TAG whose position will be determined by ultra wideband impulse radio means with a record of information of an object or person.

7. The method of correlating information related to an object or person moving within a predetermined area of claim 6, wherein said record includes gender of said person.

8. The method of correlating information related to an object or person moving within a predetermined area of claim 6, wherein said record includes age of said person.

9. The method of correlating information related to an object or person moving within a predetermined area of claim 6, wherein said record includes first language of said person.

10. The method of correlating information related to an object or person moving within a predetermined area of claim 6, wherein said record includes primary height of said person.

11. The method of correlating information related to an object or person moving within a predetermined area of claim 6, wherein said record includes if a person is accompanied by a parent or guardian.
12. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said predetermined area is a theme park.
13. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said predetermined area is a shopping mall.
14. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said predetermined area is an office building.
15. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said predetermined area is a prison.
16. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said predetermined area is a convention center.
17. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said predetermined area is a zoo.

18. The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said predetermined area is a museum.

*Sub. 02*

19. (Amended) A system of controlling functions in response to position information determined by ultra wideband impulse radio means, comprising:  
~~ultra wideband~~  
an impulse radio positioning means,  
an interface with a controller, said controller acting upon a functions based upon predetermined position parameters.

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20. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 19, wherein said function is activating an alerting means to alert said person or object when they are in a particular position within said predetermined area.

21. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 19, wherein said function is activating a communicating means.

22. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 21, wherein said communication means comprises an ultra wideband impulse radio communication means, said ultra wideband impulse radio communication means communicating information specific to the position wherein said person or object is located.

23. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 20, wherein said

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function is a lighting means to illuminate an area wherein said position or object is located.

24. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 20, wherein said function is an alerting means to alert said person or object of an unsafe position.

25. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 19, wherein said controller is a microprocessor.

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### **Amendment**

Please amend claim 1,6, 19-25 as follows:

1. (Amended) A method of correlating information related to an object or person moving within a predetermined area, comprising the steps of:

- a. obtaining information relating to said object in said predetermined area
- b. determining at least one position of said object or person  
within said predetermined area using *B ab col. 1* ultra wideband impulse radio means; and
- c. correlating information about said object to said at least one position of said object or person

6. (Amended) The method of correlating information related to an object or person moving within a predetermined area of claim 1, wherein said step of correlating comprises associating an ultra wideband impulse radio TAG whose position will be determined by impulse radio means with a record of information of an object or person.

19. (Amended) A system of controlling functions in response to position information determined by impulse radio means, comprising:  
an ultra wideband impulse radio positioning means;  
an interface with a controller, said controller acting upon a functions based upon predetermined position parameters.

20. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 19, wherein said function is activating an alerting means to alert said person or object when they are in a particular position within said predetermined area.

21. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 19, wherein said function is activating a communicating means.

22. (Amended) The system of controlling functions in response to position information determined by ultra wideband impulse radio means of claim 21, wherein said communication means comprises an ultra wideband impulse radio communication means, said ultra wideband impulse radio communication means communicating information specific to the position wherein said person or object is located.